

Form PTO-1449 (modified)

Atty. Docket No.
VBLT:008USD1Serial No.
10/724,806

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MAR 05 2004
PATENTS & TRADEMARKS
INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

Applicant
Randy D. Blakely *et al.*Filing Date:
December 1, 2003Group:
Unknown 1647U.S. Patent Documents
*See Page 1*Foreign Patent Documents
*See Page 1*Other Art
*See Page 1***U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
BEB	A1	5,658,786	8/19/97	Smith <i>et al.</i>	435	365	3/4/93
BEB	A2	6,500,643	12/31/02	Wu <i>et al.</i>	435	69.1	9/07/00

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
BEB	B1	DE 10009055	8/01	Germany			

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
BEB	C1	Apparsundaram <i>et al.</i> , "Immunocytochemical localization of hemicholinium-3-sensitive choline transporters," <i>Soc. For Neuroscience, ABSTRACT</i> , Nov. 10-15, 2001, San Diego.
	C2	Apparsundaram <i>et al.</i> , "Molecular cloning and characterization of human and murine high-affinity choline transporters," <i>Soc. Neurosci., ABSTRACT</i> , 26:15350, 2000. Abstract found at the Society for Neuroscience website: http://www.nfs.org , December 26, 2001.
	C3	Apparsundaram <i>et al.</i> , "Molecular cloning and characterization of a murine, hemicholinium-3-sensitive choline transporter," <i>Biochemical Society Transactions</i> , 29(6):711-716, 2001.
	C4	Apparsundaram <i>et al.</i> , "Molecular cloning of a human, hemicholinium-3-sensitive choline transporter," <i>Biochem. Biophys. Res. Communications</i> , 276:862-867, 2000.
	C5	Barnwell <i>et al.</i> , "Cloning and sequencing of a cDNA encoding a novel member of the human brain GABA/noradrenaline neurotransmitter transporter family," <i>Gene</i> , 159:287-288, 1995.
	C6	Bork <i>et al.</i> , "Go hunting in sequence databases but watch out for the traps," <i>Trends in Genetics</i> , 12(10):425-427, 1996.
	C7	Bork, "Powers and pitfalls in sequence analysis: the 70% hurdle," <i>Genome Res.</i> , 10:398-400, 2000.
BEB	C8	Brenner, "Errors in genome function," <i>Trends in Genetics</i> , 15(4):132-133, 1999.

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EXAMINER: /Bridget E. Bunner/ DATE CONSIDERED: 08/04/2006

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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Exam. Init.	Ref. Des.	Citation
BEB	C9	Dai <i>et al.</i> , "Cloning and characterization of the thyroid iodide transporter," <i>Nature</i> , 379:458-459, 1996.
	C10	Doerks <i>et al.</i> , "Protein annotation: detective work for function prediction," <i>Trends in Genetics</i> , 14(6):248-250, 1998.
	C11	Ferguson <i>et al.</i> , "Regulated subcellular localization of high-affinity choline transporters (CHTs) supported by protein phosphatase 2A interactions," <i>Soc. For Neuroscience, ABSTRACT</i> , Nov. 10-15, 2001, San Diego.
	C12	Fisher <i>et al.</i> , "Transport of choline by plasma membrane vesicles from lung-derived epithelial cells," <i>Am. J. Physiol.</i> , 263(6 pt 1):C1250-1257, 1992.
	C13	GenBank Accession Number AB030947, Okuda <i>et al.</i> , Feb. 2000.
	C14	GenBank Accession Number AB043997, Okuda <i>et al.</i> , Nov. 2000.
	C15	GenBank Accession Number AC009933, Heath, Jul. 2001.
	C16	GenBank Accession Number AC009963, Waterston, Aug. 2001.
	C17	GenBank Accession Number AC023672, Waterston, Nov. 2001.
	C18	GenBank Accession Number AF276871, Apparsundaram <i>et al.</i> , Nov. 2000.
	C19	GenBank Accession Number AF276872, Apparsundaram <i>et al.</i> , Feb 2001.
	C20	GenBank Accession Number AJ401466, Wieland <i>et al.</i> , Aug. 2000.
	C21	GenBank Accession Number Z17178, Weissenbach, Nov. 1994.
	C22	GenBank Accession Number Z23978, Weissenbach, Nov. 1994.
	C23	GenBank Accession Number Z53730, Weissenbach, Mar. 1996.
	C24	Guimbal and Kilimann, "A Na ⁺ -dependent creatine transporter in rabbit brain, muscle, heart, and kidney," <i>J Biol Chem</i> , 268(12):8418-8421, 1993.
	C25	Hediger <i>et al.</i> , "Expression cloning and cDNA sequencing of the Na ⁺ /glucose co-transporter," <i>Nature</i> , 330:379-381, 1987.
BEB	C26	Lockman <i>et al.</i> , "The transport of choline," <i>Drug Develop. Indust. Pharm.</i> , 28(7):749-771, 2002.

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Foreign Patent Documents

See Page 1

Other Art

See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
BEB	C27	Mayser <i>et al.</i> , "Primary structure and functional expression of a choline transporter expressed in the rat nervous system," <i>FEBS</i> , 305(1):31-36, 1992.
	C28	Ngo <i>et al.</i> , "Computational complexity, protein structure prediction, and the Levinthal paradox," <i>The Protein Folding Problem and Tertiary Structure Prediction</i> , 492-495, 1994.
	C29	Nikawa <i>et al.</i> , "Primary structure of the yeast choline transport gene and regulation of its expression," <i>J. Biol. Chem.</i> , 265(26):15996-16003, 1990.
	C30	O'Regan <i>et al.</i> , "An electric lobe suppressor for a yeast choline transport mutation belongs to a new family of transporter-like proteins," <i>PNAS</i> , 97(4):1835-1840, 2000.
	C31	Okuda and Haga, "Functional characterization of the human high-affinity choline transporter," <i>FEBS Letters</i> , 484:92-97, 2000.
	C32	Okuda <i>et al.</i> , "Identification and characterization of the high-affinity choline transporter," <i>Nature Neuroscience</i> , 3(2):120-125, 2000.
	C33	Okuda <i>et al.</i> , "Single nucleotide polymorphism of the human high affinity choline transporter alters transport rate," <i>J. Biol. Chem.</i> , 277(47):45315-45322, 2002.
	C34	Phillips, "The challenge of gene therapy and DNA delivery," <i>Pharm. Pharmacol.</i> , 53:1169-1174, 2001.
	C35	Schloss <i>et al.</i> , "The putative rat choline transporter CHOT1 transports creatine and is highly expressed in neural and muscle-rich tissues," <i>Biochem Biophys Res Commun</i> , 198(2):637-645, 1994.
	C36	Skolnick <i>et al.</i> , "From genes to protein structure and function: novel applications of computational approaches in the genomic era," <i>Trends in Biotech.</i> , 18(1):34-39, 2000.
	C37	Smith <i>et al.</i> , "The challenges of genome sequence annotation or 'The devil is in the details,'" <i>Nature Biotech.</i> , 15:1222-1223, 1997.
	C38	Turk and Wright, "Membrane topology motifs in the SGLT cotransporter family," <i>J Membr Biol</i> , 159:1-20, 1997.
	C39	Wells, "Additivity of mutational effects in proteins," <i>Biochemistry</i> , 2(37):8509-8517, 1990.
BEB	C40	Zoli <i>et al.</i> , "Increased neurodegeneration during ageing in mice lacking high-affinity nicotine receptors," <i>EMBO Journal</i> , 18(5):1235-1244, 1999.

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